

HORYNOVA, ANNA.

Ovocnictvi a zelinarstvi; ucebni text pro zemedelske mistrovske skoly
oboru pestitelskeho, chmelarskeho, pradnych rostlin a teplomilych rostlin.

[Vyd.1.] Praha, Statni zemedelske nakl., 1955. 229 p. (Skripta pro
zemedelske mistrovske skoly, cis. 10) [Fruit culture and vegetable gardening; a
textbook for agricultural schools in the field of plant breeding, hop culture,
textile plants, and heat-loving plants. 1st ed.]

DA

Not in DLC

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

CZARNECKI, R.; HORYNSKI, T.

Extrusion die for sleeves of Gall chains. Mechanik 34 no.8:421-422
'61.

ACC NR: AP7005205

SOURCE CODE: UR/0185/66/011/011/1235/1237

AUTHOR: Chernyavskiy, V. P. --Chernyav's'kyy, V. P.; Goryunova, N. A. --
Horyunova, N. O.; Khansenvarov, R. Yu.ORG: Kiev Pedagogical Institute (Kiyivs'kyy pedinstytut); Physicotechnical
Institute im. A. F. Ioffe, Leningrad (Fizyko-tehnichnyy instytut)TITLE: Dependence of the forbidden-zone width on the solid solution composition
in the $2\text{CdTe}-\text{CuInTe}_2$ section of the Cu—Cd—In—Te system

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 11, 1966, 1235-1237

TOPIC TAGS: solid solution, forbidden zone width, alloy composition

ABSTRACT: The dependence of the forbidden-zone width on the solid solution
composition in the $2\text{CdTE}-\text{CuInTe}_2$ section has been studied at room temperature.
The forbidden zone width of the alloys was determined by the optical method. The
curve of this dependence has a break at a point corresponding to the minimum
value of the forbidden-zone width—0.86 ev at an alloy composition of $2\text{Cd Te}-$
 3CuInTe_2 . By analogy with the nature of this dependence for a number of other

Card 1/2

ACC NR: AP7005205

systems of solid solutions, the initial components of which have different zonal structures, it was concluded that the zonal structure of solid solutions of the given system changes with alloy composition of $2\text{CdTe} \cdot 3\text{CuInTe}_2$ and that the zonal structures of CdTe and CuInTe₂ are different. Orig. art. has: 2 figures.

[Authors' abstract]

[AM]

SUB CODE: 11, 20/SUBM DATE: none/ORIG REF: 005/OTH REF: 002/

Card 2/2

HORZEL, T.

Results of anticoagulant treatment of myocardial infarct. Polski
tygod. lek. 7 no. 15:420-421 15 Apr 1952. (CLML 22:4)

l. Of the First Internal Clinic (Head--Prof. L. Tochowics, M. D.)
of Krakow Medical Academy.

HORZEIA, Tadeusz

Anticoagulant therapy of myocardial infarction. Kardiol.polska
lno:1-2 54-59 1954.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie. Kierownik: prof.
dr Leon Tochowicz.

(ANTICOAGULANTS, therapeutic use,
myocardial infarct.)
(MYOCARDIAL INFARCT. therapy,
anticoagulants)

Horzela, Tadeusz

DANIŁOS, Józef; HORZELA, Tadeusz; OSZACKI, Jan.

Work of the II. team of the Polish Red Cross Hospital in
Korea. Polski tygod.lek. 11 no.5:195-197 30 Jan 56.

1. Z Szpitala Polskiego Czerwonego Krzyża w Korei; dyrektor:
doc. dr. Jan Oszacki. Krakow, ul. Feldmana 4 m 7.

(SOCIAL SERVICE

Polish Red Cross Hosp. in Korea, accomplishments)

(HOSPITALS

same)

HORZELA, Tadeusz.

Three cases of isolated caseous ulcerative liver tuberculosis.
Polski tygod.lek. 11 no.5:218-220 30 Jan 56.

1. Ze Szpitala PCK w Korei; dyrektor: doc. Jan Oszacki.
Krakow, ul. Feldmana 1.

(TUBERCULOSIS, HEPATIC
caseous ulcerative)

EXCERPTA MEDICA Sec.18 Vol.1/4 Cardiovascular Apr 57

1061. HORZELA T. I. Klin. Chor. Wewnetr. A. M., Kraków. Własne wyniki leczenia schorzeń zakrzepowo zatorowych środkami przeciwkrzepliwyimi w klinice chorób wewnętrznych *Personal results of anticoagulant treatment of thrombotic and embolic disturbances in the medical clinic* Przegl. lek. 1956, 12:10 (315-319) Tables 2

The author presents the results of anticoagulant treatment of 88 patients with thrombotic or embolic disturbances. The anticoagulants used were intravenous heparin and derivatives of dicoumarin. Control treatment with derivatives of dicoumarin was carried out by Quick's method and by a personal modification of the simplified Parker's method. The period of immobilization of the patient was shorter than during treatment without anticoagulants. In the treatment of long-standing thrombi lasting for many months or years, cure was obtained in a short time. Only in 3 cases did treatment with anticoagulants fail to prevent complications; in 2 of these the thrombotic process spread, and in one there ensued a pulmonary embolus. The treatment of pulmonary emboli with heparin was more effective than treatment with derivatives of dicoumarin. Favourable results were obtained by treating arterial emboli in the limbs with anticoagulants; in one case the artery was not rendered patent and amputation was performed.

Mikulowski - Cracow (XVIII, 6*)

HORZELA, Tadeusz; SZYBINSKI, Zbigniew; KONTUREK, Stanislaw

Absorption of amino acids from the digestive system following the administration of albumin labeled with I-131. Acta physiol. Pol. 13 no.1:149-155 '62.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie Kierownik: prof. dr L. Tochowicz Z Zakładu Fizjologii A.M. w Krakowie Kierownik: prof. dr J. Kaulbersz.

(AMINO ACIDS metab)
(GASTROINTESTINAL SYSTEM physiol)
(ALBUMINS pharmacol)
(IODINE radioactive)

KONTUREK, Stanislaw; RADECKI, Tadeusz; HORZELA, Tadeusz

Effect of gastric cooling on the course of ulcerous disease in
humans and on the development of peptic ulcer in animals. Pol.
tyg. lek. 19 no.23:858 - 860 1 Ja'64

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie;
kierownik: prof. dr. Leon Tochowicz.

KONTUREK, Stanislaw; HORZELA, Tadeusz

Effect of reserpine on gastric function. Polski tygod. lek. 16
no.46:1761-1764 13 N '61.

l. Z I Kliniki Chorob Wewnetrznych A.M. w Krakowie; kierownik: prof.
dr Leon Tochowicz).

(RESERPINE pharmacol) (GASTRIC JUICE)

HORZELA, Tadeusz; SZYPINSKI, Zbigniew; KONTUREK, Stanislaw

Absorption of olive oil labeled with I-131 from the digestive system.
Acta physiol. polon. 13 no.3:369-375 '62.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie Kierownik: prof. dr
L. Tochowicz z Zakladu Fizjologii AM w Krakowie Kierownik: prof. dr
J. Kaulbersz.

(OILS metab) (IODINE radioactive)
(GASTROINTESTINAL SYSTEM physiol)

OSZACKI, Jan; HORZELA, Tadeusz; SZNAPKA, Zbigniew; SZYBINSKI, Zbigniew;
OSTROWSKI, Wladzimierz

The course of the absorption of albumins in the digestive system
of patients with gastric cancer. Pol. przegl. chir. 34 no.11:1195-
1199 '62.

1. Z I Kliniki Chirurgicznej AM w Krakowie Kierownik: prof. dr J.Oszacki
z I Kliniki Chorob Wewnetrznych AM w Krakowie Kierownik: prof. dr
L. Tochowicz i z Zakladu Chemii Fizjologicznej AM w Krakowie Kierownik:
prof. dr B. Skarzynski.

(STOMACH NEOPLASMS) (ALBUMINS) (DIGESTION)
(AESORPTION)

KONTUREK, Stanislaw; RADECKI, Tadeusz; SZYBINSKI, Zbigniew; HORZELA,
Tadeusz.

Transport of fats through the thoracic duct. Acta physiol.
pol. 14 no.5:571-576 S-0'63

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie; kierownik:
prof.dr. L.Tochowicz.

*

HORZELA, Tadeusz

Hemodynamic studies with the use of ^131 I-labeled albumin. "K.
arch. med. wetet. 34 no. 63745-746 '64

1. z I Kliniki Chorobewewnetrznych Akademii Medycznej w Krakowie
(Kierownika prof. dr. I. Tachowicz).

SZYBINSKI, Zbigniew; KONTUREK, Stanislaw; RADZEWSKI, Tadeusz; WILCZAK,
Tadeusz.

Kinetics of lymph lipoproteins labeled with I-131 from the
blood in dogs. Acta physiol. Pol. 15 no.4:529-534 Jl-Ag '64

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w
Krakowie (Kierownik: prof. dr. L. Tochowicz).

KONTUREK, Stanislaw; HORZELA, Tadeusz; SZYBINSKI, Zbigniew

The effect of adrenals on the absorption and distribution of
fats in tissues. Endokr. Pol. 16 no.2:183-188 Mr-Apr'65.

1. I Klinika Chorob Wewnętrznych Akademii Medycznej w Krakowie
(Kierownik: prof. dr. L. Tochowicz).

HORZELA, Tadeusz

The pattern of leukocytes in peripheral blood of adults. Pol.
tyg. lek. 20 no.6:211-212 8 F '65

1. Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie
(Kierownik: prof. dr. Leon Tochowicz).

HORZELA, Tadeusz; SZYBINSKI, Zbigniew; SZNAPKA, Zbigniew; OSTROWSKI,
Włodzimierz

Resorption of albumins within the digestive tract in patients
with gastric and duodenal ulcer. Pol. przegl. chir. 37 no.2:
99-102 F '65.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Krakowie
(Kierownik: prof. dr. L. Tochowicz) i z II Kliniki Chirurgicznej
Akademii Medycznej w Krakowie (Kierownik: prof. dr. J. Osacki).

SZYBINSKI, Z.; HORZELA, T.; PASYK, S.; KONTUREK, S.

Application of the quantitative radiocardiography in hemodynamic studies. Kardiol. Pol. 8 no.3:251-255 '65.

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie (Kierownik:
prof. dr. L. Tochowicz).

HORZELA, T.; SZNAPKA, Z.; SZYBINSKI, Z.

Hydrolysis of I-131-albumin and the absorption of its decomposition products in the alimentary canal in patients after the removal of gallstones from the common biliary duct and secretion of these products in the bile. Przegl. lek. 21 no.9:562-563 '65.

HORZELOWA, Jolanta, STAPINSKI, Andrzej.

Case of Peutz syndrome. Pediat.polska 30 no.6:565-568 Je '55.

1. Z Kliniki Chorob Dzieci A.M. w Krakowie. Kierownik: prof. dr med. Wl. Bujak: i z Kliniki Chorob Skórnich i Venerycznych A.M. w Krakowie. Kierownik: prof. dr med. K. Lejman; Krakow; Strzelecka 2, Klinika Chor. Dzieci. A.M.

(INTESTINES, neoplasms,
polypi, with mouth & skin pigmentation disord. in child)

(POLYPI, i
intestines, with mouth & skin pigmentation disord. in
child)

(PIGMENTATION,
disord. of mouth & skin in intestinal polypi in child)

SEKULOWA, Jadwiga; HORZELOWA, Jolanta; CZAPNICKA, Maria

Dysostosis enchondralis epi-metaphysaria in the light of clinical
and radiological studies. Chir.narz.ruchu ortop.polska 25 no.3:
241-253 '60.

1. Z Kliniki Chorob Dzieci A.M. w Krakowie Kierownik: prof.
dr T.Giza i z Kliniki Radiologicznej A.M. w Krakowie Kierownik:
prof. dr S.Januszkiewicz
(DYSCHONDROPLASIA)

HORZELOWA, Jolanta; GOSCINSKA, Zofia

Some considerations on Rendu-Osler disease (hereditary hemorrhagic telangiectasis) Pediat pol 36 no.2:181-184 F '61.

l. Z Kliniki Chorob Dzieci A.M. w Krakowie Kierownik: prof. dr med. T. Giza.

(ANGIOMATOSIS in inf & child)

HORZELOWA, J.

SURNAME, Given Names

Country: Poland

Academic Degrees: not given

(5)

Affiliation:

Source: Warsaw, Przeglad Lekarski, Vol XVII, Ser II, No 8, 1961, pp 312-313.

Data: "Congenital Hypertrophic Emphysema."

Authors:

HORZELOWA, J., presumed First Child Clinic (I Klinika Dziecieca),
School of Medicine (AM, Akademia Medyczna), Krakow; Director:
Prof. T. GIZA, Dr.

GROCHOWSKI, J., presumed Second Surgical Clinic (II Klinika Chirur-
giczna), School of Medicine, Krakow; Director: Prof. J. OSZACKI,
Dr.

AD

600 981643

PASYK, Stanislaw; HORZELOWA, Jolanta

A case of unusual hypertension of the right ventricle. Pol.
tyg. lek. 19 no.23:879-880 1 Je '64

1. Z I Kliniki Chorób Wewnętrznych Akademii Medycznej w
Krakowie (kierownik: prof. dr. Leon Tochowicz) i z Kliniki
Chorób Dzieci Akademii Medycznej w Krakowie (kierownik: prof.
dr. Tadeusz Giza).

SPINU, I.; TEHNICHIANU, A.; VODONOV, L.; HOROGHA, Gata; BUGAICU, Carmen;
VASILIU, Cristina; DUVAN, Xenia; ~~TOPESCU~~; ~~TAZACU~~, E.; TOMA, R.

Epidemiological considerations on occupational ornithologic infections.
Stud. cercet. inframicrobiol. 15 no. 1:15-20 '64.

COUNTRY : CZECHOSLOVAKIA H
CATEGORY : Chemical Technology. Chemical Products and
Their Applications. Water Treatment. Sewage.
ABS. JOUR. : RZKhim., No. 23 1959, No. 82652
AUTHOR : Prokunek, K.; Sedlarik, L.; Hoš, F.
INST. : ~
TITLE : Sanitary-Hygienic Evaluation of Drinking Water
Used in the Rural Sections of the Gotwald
Oblast.
ORIG. PUB. : Sb. Ceskosl. akad. zomed. ved. vaterin. med.,
1959, 4, No 2, 105-114
ABSTRACT : No abstract.

CARD:

1/1

GOS, M. [Hos, Miroslav], inzh.; VESELY, Vladimir, inzh.; ORNATSKIY, N.V.,
prof., doktor tekhn. nauk [translator]; TRESKINSKIY, S.A. >4
[translator]; IVANOVSKAYA, K.M., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Highway lay-out with attention to the landscape] Trassirovaniye
dorog s uchetom landshafta. Pod red. N.V.Ornatskogo. Moskva,
Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shossei-
nykh dorog RSFSR, 1961. 142 p. (MIRA 15:2)

(Roads—Design)

HOSAK,L.

On documenting the treatment of hypoglycemic coma. Česk.
psychiat. 10 no.2:122-124 Ap'64.

1. Psychiatricka klinika lekarske fakulty UJEP v Brne.

*

UHLIR, F.; HOSAK, L.

Acute psychosis in Fosfothion poisoning. Cesk. psychiat. 60 no.5:
306-310 O '64.

1. Psychiatricka lecebna, Opava a Psychiatricka klinika lekarske
fakulty University J.E. Purkyne, Brno.

JAROS, M.; GROSS, J.; HOSAK, L.

Effect of cyanacetic acid hydrazide on higher nervous activity in normal subjects. Activ. nerv. sup. 3 no.2:206-207 '61.

1. Psychiatricheskaya Klinika University J. Ev. Furkyne, v Brne Vyzkumny ustav psychiatricky, Praha.

(CENTRAL NERVOUS SYSTEM pharmacol)
(HYDRAZINE pharmacol)

HOSAK, L.; SYNKOVA, J.; GROSS, J.

Experience with the influence of flattened and flat electroencephalograms by cyanazide-VUFB. Activ. nerv. sup. 3 no.2:207-208 '61.

1. Psychiatricka klinika University J. E. Purkyne v Brne.

(ELECTROENCEPHALOGRAPHY pharmacol)
(HYDRAZINE pharmacol)

L 29475-66

ACC NR: AP6019960

SOURCE CODE: CZ/0079/65/007/003/0245/0246

AUTHOR: Hosak, L. (Brno); Komenda, S.; Hosakova, Z.; Benes, O.

23

ORG: Psychiatric Clinic, J. Ev. Purkyne University, Brno

B

TITLE: Hazard of the saken treatment in insulin potentiation by means of ganglion-blocking agents of the methonium group and tolbutamide [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 245-246

TOPIC TAGS: pharmacology, therapeutics

ABSTRACT: Results of inducing 11,606 hypoglycaemic coma in 303 patients are discussed. Insulin potentiation by means of ganglion-blocking agents increases the incidence of epileptic seizures and protracted comas; potentiation with tolbutamide decreases the incidence of epileptic paroxysm and protracted comas. Intravenous insulin injection reduces the incidence of after-shocks; epileptic seizures are more frequent in men, and after-shocks in women. Mortality due to epileptic seizures, protracted comas and after-shocks is 2.1%, while mortality due to other complications is only 0.3%. Sakel treatment should be considered a hazard. Orig. art. has 1 table.

[Orig. art. in Eng.] [JPRS]

SUB CODE: 06/ SUBM DATE: none
Card 1/1

L 29400-66

ACC NR: AP6019961

SOURCE CODE: CZ/0079/65/007/003/0246/0247

AUTHOR: Mikula, V. (Opava); Ryznar, J.; Hosak, L; Komenda, S.2/
B

ORG: Psychiatric Hospital, Opava (Psych. lecebna)

TITLE: Interruption of hypoglycaemic coma by means of amyl nitrite ²² [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 246-247

TOPIC TAGS: therapeutics, drug treatment

ABSTRACT: 37 men treated with Sakel therapy were given 0.15 g of amyl nitrite by inhalation; in 13 the coma was interrupted, in 19 the coma was changed into a sopor, in 5 there was no effect. In another group of 31 Sakel comas, amyl nitrite was applied 30 min after the extinction of the nasopalpebral reflex. Only 10 regained consciousness. Out of 44 patients in deep sopor, 40 responded to amyl nitrite by regaining consciousness. Orig. art. has: 1 table. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06/ SUBM DATE: none

Card 1/1

BARTOVA, D.; KALURIK, M.; GROSS, J.; HOSAK, L.

Experience with the treatment of male sexual disorders with cyanazide.
Activ. nerv. sup. 3 no.2:224-225 '61.

1. Psychiatricka klinika University J. Ev. Purkyne, Brno.

(HYDRAZINE ther) (IMPOTENCE ther)

MOSCALEK, Josof

SURNAME, Given Names

Country: Czechoslovakia

(2)

Academic Degrees: MUDr

Affiliation: Okres Institute of Public Health (OUNZ /Okresni ustav
národního zdraví), Pardubice; Director (Reditel): Dr J Bartos

Source: Prague, Praktický Lekar, Vol 41, No 17, 5 September 1961,
pp 757-758

Data: "The Pre-Tumor Phase of Cancer."

20 670 981643

HOSCALKOVA, Z.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Electrochemistry

Polarography of opionic acid. Z. Hudečkova, V. Matl-
nova, and F. Santavy (Palackého Univerzita, Olomouc, Czech.).
Chem. Listy 47, 1671-2 (1953).—In acidic medium opionic
acid forms 1 wave which degrades; in neutral solns. it forms
2 waves corresponding to the dissociated and nondissociated form.
These waves equal at pH 7. M. Hudlický

PASCAL KOVA, ZORA.

Metabolism of glutathione and related substances. Compounds containing free and bound sulphhydryl groups in animal tissues. Zora Hoščáková, Miroslav Černoch, and František Šutava (Palacký Univ., Olomouc, Czech.). *Ches. Listy* 49, 834-42 (1955); cf. *C.A.* 49, 7783. —Animal tissue homogenates contain low-mol compds. contg. SH groups as proved by polarography. The height of the polarographic waves is proportional in a linear fashion to the concn. of the homogenates dilut. with physiol. soln. The observed waves correspond to the reduced glutathione or its fission products. No free SH groups of the tissue proteins were found polarographically. Effect of time upon the height of the polarographic waves was studied. On the basis of polarographic behavior, the presence of enzymes cleaving, reducing, or oxidizing the glutathione is postulated. The plasma proteins were found to be able to bind the added cysteine or reduced glutathione. M. Hudlický.

L 29475-66

ACC NR: AP6019960

SOURCE CODE: CZ/0079/65/007/003/0245/0246

23

AUTHOR: Hosak, L. (Brno); Komenda, S.; Hosakova, Z.; Benes, O.

B

ORG: Psychiatric Clinic, J. Ev. Purkyne University, Brno

TITLE: Hazard of the saken treatment in insulin potentiation by means of ganglion-blocking agents²² of the methionium group and tolbutamide [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 245-246

TOPIC TAGS: pharmacology, therapeutics

ABSTRACT: Results of inducing 11,606 hypoglycaemic coma in 303 patients are discussed. Insulin potentiation by means of ganglion-blocking agents increases the incidence of epileptic seizures and protracted comas; potentiation with tolbutamide decreases the incidence of epileptic paroxysm and protracted comas. Intravenous insulin injection reduces the incidence of after-shocks; epileptic seizures are more frequent in men, and after-shocks in women. Mortality due to epileptic seizures, protracted comas and after-shocks is 2.1%, while mortality due to other complications is only 0.3%. Sakel treatment should be considered a hazard. Orig. art. has 1 table.

[Orig. art. in Eng.] [JPRS]

SUB CODE: 06/ SUBM DATE: none
Card 1/1 ✓

HOLLO, Janos, prof., dr. (Budapest, XI., Gellert ter 4); LASZLO, Elemer, dr.
(Budapest, XI., Gellert ter 4); HOSCHKE, Agoston (Budapest, XI.,
Gellert ter 4)

Biosynthesis of starch. Pt.1. Periodica polytechn chem 8 no.3:
213-219 '64.

1. Lehrstuhl fur Landwirtschaftlich-Chemische Technologie
der Technischen Universitat, Budapest. Submitted March 23,
1964.

HOLLO, Janos, prof., dr. (Budapest, XI., Gellert ter 4); LACZLÓ, Elemer, dr. (Budapest, XI., Gellert ter 4); HEGCHKE, Agoston (Budapest, XI., Gellert ter 4); GLENCSER, Janos (Budapest, XI., Gellert ter 4)

Biosynthesis of starch. Pt.2. Periodica polytechn chem 8 no.3: 221-228 '64.

1. Lehrstuhl für Landwirtschaftlich-Chemische Technologie
der Technischen Universität, Budapest. Submitted March,
23, 1964.

HOSCHL, C., doc., inz.

Conference on mechanisms. Strojirenstvi 13 no.9:712 S '63.

HOSCHL, G.

"Irregularity of the Operation of Internal-Combustion Engines with Torsional Vibration of Shafts." p. 163, Praha, Vol. 4, no. 3, Mar. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

HOSCHL, C.

Effect of shape on the strength of axles under torsion. p. 88].
STROJIRENSTVI, Prague, Vol. 4, no. 12, Dec. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

HOSCHL, C.; KULHANEK, L.

Strength of welded cylindrical vessels with heat coating. p. 13.

ZVARANIE Vol. 5, no. 1, Jan. 1956

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

Hoschl, C.

Hoschl, C. Stress of press-fit connections. p. 3.

Vol. 7, no. 1, Jan. 1957

STROJIRENSTVI

TECHNOLOGY

Czechoslovakia

So: East European Accessions, Vol. 6, May 1957
No. 5

HOSCHL, C.

Strength and elasticity of diesel locomotive frames. p. 333. (Strojirenstvi,
Vol. 7, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

HOSCHL, C.

Strength and elasticity of the frame for Diesel locomotives. pt. 2. p. 441.

(Strojirenstvi. Vol. 7, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

HOSCHL, C.

"A thin circular plate on an elastic foundation. p. 115"

P. 115 (Aplikace Matematiky, Vol. 3, no. 2, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

HOSCHL, C.

"Method of approximate calculation of rigidity and stresses in parts with sectional profiles subjected to torsion." p. 403.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)
Praha, Czechoslovakia, Vol. 9, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Uncl.

5 16900-65 ETT(m)/SPP(u) ASD(f)-2 EM
ACCESSION NR: AP4049132 Z/0032/64/014/008/0563/0569

AUTHOR: Hoschl, C. (Assistant professor of engineering)

TITLE: Some errors in calculations of stress conditions in machine parts

SOURCE: Strojirenstvi, v. 14, no. 8, 1964, 563-569

TOPIC TAGS: machine part, machine design, stress calculation

Abstract [Author's English summary, modified]: Discussed are some typical errors made by designers calculating stress conditions in machine parts. Many are caused by establishing ideal models neglecting more complex realities. Many errors are caused by false interpretation of notch effects and results of tensometric measurements. The reason often is the fact that points of stress concentration are either unknown or inaccessible. Several examples

~~false interpretation of notch effects and results of tensile stress measurements. The reason often is the fact that points of stress concentration are either unknown or inaccessible. Several examples of such errors are presented. Original article has 17 figures, 2 tables and 18 equations.~~

1/2

L-1000465

ACCESSION NR: AP4049732

ASSOCIATION: VSST, Liberec

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, AS

NO REF SOV: 002

OTHER: 012

JPRS

HOSCHL, C., doc., inz.

"Working tables for a designer" by E. Pfannkoch. Reviewed by
C. Hoschl. Strojirenstvi 13 no.3:238-239 Mr '63.

SCHREIBER, V.; KMENTOVA, V.; KRULICH, L.; HOSCHL, M.; LOJDA, Z.

Preliminary experiences with the demonstration of a hypothalamic factor activating TSH secretion in vivo. Cesk. fysiol. 9 no.2: 175-177 Mr '60.

1. Laborator pro endokrinologii a metabolismus pri III. interni klinice, Fysiologicky ustanov a Embryologicky ustanov fak. vseob. lek. KU, Vyzkumny ustanov endokrinologicky, Praha.
(THYROTROPIN physiol)
(HYPOTHALAMUS extract)
(PHOSPHATASES metab)
(PITUITARY GLAND metab)

HOSCHL, P.; KONAK, C.

Preparation of CdSe by reaction of components. Chekhosl
fiz zhurnal 13 no. 6: 437-440 '63.

1. Katedra fyziky pevných materiálů, Matematicko-fyzikální
fakulta Karlovy univerzity, Praha.

2000-01-01 007100W1m-2/T/SWP(t)/SEC(b)-2/EWP(b) ShA.c ICP.c
ACCESSION NR: AP0009604 RDM/JD-GS

GE/0030/65/009/001/0167/0180

AUTHOR: Boschi, P.; Konak, C.

TITLE: Sublimation of cadmium telluride and cadmium selenide under a vapor pressure of one of their components and the equilibrium form of crystal growth

SOURCE: Physica status solidi, v. 9, no. 1, 1965, 167-180

TOPIC TAGS: cadmium telluride, cadmium selenide, vapor pressure, crystal growth, single crystal, sublimation, diffusion transport, semiconductor, crystal

ABSTRACT: The dependence of the sublimation velocity $v_{AB}^{\text{diff}}(\text{g}\cdot\text{s}^{-1}\cdot\text{cm}^{-2})$ of binary compounds AlIB_3V on the vapor pressure of one of their components $P'A$ is investigated. For this purpose extensions are made to the theory of the kinetics of element sublimation including the mechanism of diffusion transport. The relationship $v_{AB}^{\text{diff}} \sim (P'A)^{\alpha}$ is derived. A method for growing single crystals by heating a mixture of small and large crystals of binary compounds AB under a vapor pressure of component A is described and justified. The relationship $\alpha = \exp(4 v_{AB}^{\text{diff}}/k T_{\text{gr}})$ is derived for the supersaturation (α) of the vapor phase at the crystal growth site by a generalization of the Thompson-Gibbs relation. Equilibrium growth of

Card 1/2

L 60845-65

ACCESSION NR: AP5009594

5

single crystals has made it possible to determine the \bar{G}_1 planes of cadmium telluride and selenide. "The authors wish to express their thanks to Prof. Dr. E. Klier for many helpful suggestions and critical comments. Their thanks are due to A. Libicky, E. Subertova, and M. Penkova for assistance in the experimental part." Orig. art. has 32 equations, 8 figures, and 2 tables.

ASSOCIATION: Department of Solid State Physics, Faculty of Mathematics and Physics, Charles University, Prague

SUBMITTED: 31Feb65

ENCL: 00

SUB CODE: SS, 3C

NO REF Sov: 002

OTHER: 041

Card 2/2

HOSSEINI, F.; KONAK, C.

Study of the solid-state gaseous phase equilibrium in CdSe and its application to the growing of single crystals from the gaseous phase by the Frerich's method. Chashkosl iin churnal 13 no.5:364-377 '63. '63.

1. Katedra pevných látok, Matematicko-fyzikální fakulta,
Karlová universita, Praha.

HOSCHL, P.; KOMAK, C.

Growing of CdTe single crystals by sublimation in Cd vapors.
Chekhosl fiz zhurnal 13 no.10:785-787 '63.

1. Katedra fyziky pevných látek, Matematicko-fyzikální fakulta
Karlových universit, Praha.

SILINK, K.; HOSCHL, R.; SOUMAR, J.

The use of massive single doses of I131 in the treatment of advanced cancer of the thyroid gland. Rev. Czech. M. 4 no.2:69-86 1958.

1. Research Institute of Endocrinology. Director: Doc. K. Silink.
(THYROID GLANDS, neoplasms
ther., radiiodine in single massive dose)
(IODINE, radioactive
ther. of thyroid cancer, single massive dose)

KRULICH, L. & HOSCHL, R.

Effect of cold on the secretion of anterior pituitary hormones. II.
Activity of the thyro-pituitary system. Cesk. fysiolog. 7 no. 5: 494-495
Sept 58.

1. Fysiologicky ustav fak. vseob. lek. KU a Vyzkumny ustav endokrinolo-
gicky v Praze.

(COLD, effects,
on thyrotropin secretion (Cz))
(THYROTROPIC HORMONE, physiol.
secretion, eff. of cold (Cz))

SILINK, K.; MAJEROVA, A.; CERNY, K.; VOHNOUT, S.; HOSCHL, R.

Investigation on I-131 and iodine fractions in differential diagnosis of carcinoma of the thyroid gland. Neoplasma, Bratisl.
7 no.1 suppl:123-126 '60.

(IODINE metab)
(THYROID GLAND neopl)

NUCLEAR MEDICINE

CZECHOSLOVAKIA UDC 615.849.7(:546.15.02)-06:616.441-001.28-002

HOSCHL, R.; NEMEC, J.; SILINK, K.; KUBAL, J.; Research Institute for Endocrinology (Vyzkumny Ustav Endokrinologicky), Prague, Director (Reditel) Docent Dr K. SILINK.

"Radiation Thyroiditis as a Complication of Treatment with Radioactive Iodine."

Prague, Casopis Lekaru Ceskych, Vol 105, No 19, 13 May. 66, pp 511 - 514

Abstract [Authors' English summary modified]: 321 patients were treated with 357 doses of radioactive iodine during treatment of hyperthyroidism or cancer of the gland. Radiation thyroiditis developed in 44.7% of patients with hyperthyroidism and in 71.3% of those with cancer. The frequency increases in proportion to the dose; it usually appears on the 3rd to 5th day after application of radioactive iodine and lasts for 10 days. Its duration is not influenced by corticosteroids. It differs from perithyroidal edema which developed in the first 48 hours after the iodine was administered. 3 Figures, 11 Western, 5 Czech references. (Manuscript received June 65).

1/1

HOSCHL, R.

SURNAME (in caps); Given Name(s)

Country: Czechoslovakia

(3)

Academic Degrees: [not given]

Endocrinological Research Institute (Vyzkumny ustav endokrinologicky),
Affiliation: Prague; Director (Reditel): Doc Dr K Silink

Source: Brno, Vnitri Lekarstvi, Vol VII, No 8, August 1961, pp 894-899

Data: "Changes of Body Weight and Obesity during Thyrotoxicosis."

Authors:

BLAKOS, J
HOSCHL, R

115

BLAHOS, J.; HOSCHL, R.

The normal body weight and obesity in thyrotoxicosis. Acta med. acad. sci. Hung. 18 no.1:55-58 '62.

1. Research Institute of Endocrinology, (Director: Doc., MUDr.: K. Silink) Prague.

(OBESITY) (HYPERTHYROIDISM) (BODY WEIGHT)

MACH, Frantisek; KOHOPASEK, Jiri; HAK, Antonin; PFLUG, Josef; HOSCHLOVA,
Dagmar; VONNER, Jiri

On the problem of the diagnosis of concussion fo the brain. Roshl.
chir. 39 no.8:549-555 Ag '60.

1. Klinika chirurgicka zakladna UDL v Praze 8, Bulovka, prednosta
prof. MUDr. Jan Knobloch, doktor lekarskych ved.
(BRAIN wds & inj.)

KOHOUT, Jiri; MOSCHLOVA, Dana; KORBOVA, Libuse; NOVAK, Simon.

Gastric secretion in humans following administration of anti-histaminics. Sborn. lek. 61 no.4:100-106 Apr 59.

1. IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. B. Prusik Interni oddeleni vojenske nemocnice v Terezine, prednosta plk. dr. F. Cistin. Ustatv pro vseobecnu a pokusnou patologii fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. J. Hepner. As. dr. J. K., Iv. interni klinika, U Nemocnice 2, Praha 2.

(ANTIHISTAMINICS, eff.

on gastric secretion (Cz))

(GASTRIC JUICE,

secretion, eff. of anihistaminics (Cz))

HOSEK, A.

"Example of Workers at Gottwaldov", P. 2, (TECHNICKE NOVINY, Vol. 1,
No. 17/18, Dec. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

HOŠEK, A.

"Education Helps", P. 2, (TECHNICKE NOVINY, Vol. 2, No. 8, Apr. 1954,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

HOSEK,B.; NOVAK,L.; AUDY,K.; STEFKA,K.

Semi-automatic integrator of irregular planes. Cesk. fysiol. 9
no.4:369-374 Jl '60.

1. Biofysikalni ustav CSAV, Brno.
(PHYSIOLOGY equip & supply)

HOSEK, B.; NOVAK, L.; STEFKO, K.

An automatic electrical analyzer for the measurement of gas exchange.
Cesk. fysiol. 11 no.2:121-126 '62.

1. Biofysikalni ustav, Brno.
(CHEMISTRY ANALYTICAL equip & supply)

SEVCIK, F.; LISKA, B.; HOSEK, B.

Apparatus of automatic inoculation and recording of growth curves of bacteria. Folia microbiol. (Praha) 9 no.2:125-128 Mr'64.

1. Institute of biophysics, Czechoslovak Academy of Sciences, Brno.



POSPISIL, M. [Pospisil, M.]; NOVAK, L.; GOSHEK, B. [Hossek, B.]

Balance of energy and prediction of radiosensitivity in rats.
Radiobiologija 4 no.3:396-401 '64.

(MIRA 17:11)

I. Institut biofiziki Chechoslovatskoy Akademii nauk, Brno.

NOVAK, L.; POSPISIL, M.; HOZEK, B.

Relationship of radiosensitivity to the rate of growth. Folia
biol. (Praha) 11 no.2: 147-155 '65.

1. Institute of Biophysics, Czechoslovak Academy of Sciences,
Brno,

L 34663-66

ACC NR: AP6025840

SOURCE CODE: CZ/0080/65/000/005/0122/0123

AUTHOR: Sevcik, Frantisek; Nosek, Bohumil

42
B

ORG: Biophysical Institute, CSAV, Brno (Biofyzikalni ustav CSAV)

TITLE: Common function generator on the relay principle

SOURCE: Automatizace, no. 5, 1965, 122-123

TOPIC TAGS: computer, potentiometer, electric generator

ABSTRACT: In evaluating experimentally obtained dependence with a computer it is necessary to supplement them with suitable function generators. Ordinary diode function generators, optical curve-tracers and potentiometers with tap circuits are used for this purpose. The article points out another possible principle of function generation, the graph of which is approximated with ten linear segments with fixed points of discontinuity. Orig. art. has: 1 figure. [JPRS: 32.496]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 9/8

UDC: 621.373.681.142-83

09/6 2971

HUSEK, E.

Czech

~~NOTE~~

Refractories and the Furnace Builder. E. Holek. (Münich, Prague), 1854, 4, (4), 113-116. [In Czech.] The physical and thermal properties of the principal types of refractory used in the metallurgical industry are given, and the correct choice of type and dimensions of bricks for furnace construction are discussed, with special reference to open-hearth furnace walls and roof.—E. R.

RTX 42

HOSEK, E.

"Preservation of natural resources, and forest management."

p. 358 (Les) Vol. 12, no. 7/8, July/Aug. 1956
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

HOSEK, E.

"Systematic protection of nature."

P. 253. (Ministerstvo kultury. Statni pece o ochranu prirody --Praha, Czechoslovakia.)
Vol. 12, no. 9, Dec. 1957.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

BEDNAR, Zdenek, inz.; HOSEK, Emil, inz.; RAYNOCH, Bedrich

Contribution to the information on fir regression in the
former Olomouc region. Les cas 9 no. 7:649-672 Jl'63.

1. Ustav pro hospodarskou upravu lesu, pracoviste Olomouc.

HOSEK, J.

Cultivation of winter barley is cheaper compared with spring barley.

P. 30, (Rolnicke Hlasy) Vol. III, no. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

HOSEK, J.

Adjustment of mechanical concrete properties by admixture of plastic materials. p. 343.

INZENYRSKE, STAVBY. (Ministerstvo stavebnictvi) Praha, Czechoslovakia.
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959
Uncl.

HOSEK, J.

Hosek, J. Operational relationship of tube mills in steam electric power stations. (2d supplement) p.6. ENERGETIKA. Praha. Vol. 5, no. 7, Aug. 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

HOSEK, J.

Electromagnetic pumps for liquid metals. p. 390. (ENERGETIKA, Vol. 6,
No. 9, Sept 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (FEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HOSEK, J.

First aid in accidents caused by electric current. P. 49.

ELEKTROTECHNIK Vol. 11, no. 2, Feb. 1956

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

HOSEK, J.

"Note of Comrade Hosek on the insulation of electric cables."

ELEKTROTECHNIK, Praha, Czechoslovakia, Vol. 14, no. 5, May 1959

Monthly List of East European Accessions Index (EEAI), Library of Congress,
Vol. 8, No. 8, August 1959

Unclassified

HASEK, S.

PHASE I BOOK EXPLOITATION

Z/6284

Jerie, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines [collection of articles]). Prague, Nakl. CAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končický.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

burning of fuel in combustion chambers, axial compressors, and characteristics of turbines manufactured in Czechoslovakia.

Basic Problems in the Construction (Cont.)

z/6284

- 6
- M. Hibš (State Research Institute for Heat Engineering, Prague). Aerodynamic Design of Inlet and Outlet Nozzles for Axial Compressors or Turbines 351
- V. Kmoníček and M. Hibš. The Results of Experimental and Theoretical Research on Annular Diffusors 371
- J. Hošek (Prague Machine Building Plant, Prague). A contribution to the Theory of Similitude in Fluid Flow 399
- M. Randa and J. Zikmund (V. I. Lenin Plant, Plzen). Axial Compressors Produced by the V. I. Lenin Plant in Plzen 433
- M. Kousal (Klement Gottwald First Brno Armament Plant, Brno). The Axial Compressor Built by the Klement Gottwald First Brno Armament Plant for the ST 675-1 Gas Turbine 445

Card 6/8 8/1

HOSEK, Jaroslav, inz.

Modernization of mountain roads. Siln doprava 11 no.8:7-9
Ag '63.

l. Silnice, n.p., Hradec Kralove.

HOSEK, J.

Discussion on technical literature at the Institute for Research in Radio Engineering.
p. 20

SDELOVACI TECHNIKA. Praha, Czechoslovakia, Vol. 3, No. 1, Jan. 1955

Monthly List of East European Accessions (EEAI), LC. VOL. 8, No. 8, August 1959
Uncl.

Hosek, J.

Hosek, J. Characteristic values of the most current rectangular wave
guide of the type TE₁₀. Praxe. p. P33.

Vol. 17, no. 9, Sept. 1956
SLABOPROUDY OBZOR
TECHNOLOGY
Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

HOSÍK, J. Measurements of C-and tg δ solid dielectric materials in
the centimeter wave bands at thermal differences between
-100° and +100° C. Tr. from the Russian. p. 581.

Vol. 17, No. 10, Oct. 1956.

SLABOPRŮDÝ OBZOR.

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 3, March 1957

52-1170
A. A. V. D. V. C. M. R. E. S. T. R. E. M. E. N. T. O. T. H. Q. U. A. L. I. T. Y. F. A. C. T. O. R.
O. F. A. C. Y. L. I. N. D. R. A. C. Y. R. E. S. O. N. A. T. O. R. S. O. F. T. H. Y. P. E. T. H. Y. P. O. D. H. Y. P. O. D.

Slabopryam. Obzor. v. 6, No. 6, 367-13 (1957). 14 Czech

This survey discusses the electromagnetic field equations, the expression for the Q-factor, and the skin effect and its dependence on the thickness of the surface of a cylindrical cavity resonator which is operated in the TE₁₀₁ or Hop mode. Methods of measuring the Q-factor are considered and it is concluded that the most accurate method is that in which the resonance curve of the cavity is taken by changing the height. The method can be used to calibrate cavity resonators, to calculate the skin depth and the resistance of various materials at microwave, and to measure the permittivity and loss of various dielectrics.

R. S. Bidorowicz

411.3. 34

MEASUREMENT OF ATTENUATION FROM 0.1 TO 5.49
FOR WAVE-ELEMENTS

Received in the U.S. on 10/12/57. In Tech.
Note No. 10, 1957, a method of measurement is outlined. First the
attenuation in a short-circuited section of a wave-guide is found
by measuring the standing wave ratio $R = P_0/P_1$. The
attenuation in a section of length l having standing wave ratio R is given by
$$\alpha = \frac{1}{l} \ln R$$

where α is the total attenuation in the system is determined
from the fact that the measured section is therefore $l + l_0$. The
length l_0 of the shorted end of the S section is used as a standard and
is measured to measure the attenuation α_0 of the end section ie
$$\alpha_0 = \frac{1}{l_0} \ln R_0$$

The method gives an accuracy of $\pm 5\%$ over the range
0.1 to 5.49. Some experimental results are given and a nomogram
for the conversion of the data is shown. R. S. Bidgood.

ROSEK, J.

Maximum transmitted output and the attenuation in rectangular wave guides
of the TE₁₀ type. Praxe.

P. P29. (SLABOPRUDY ORZOR) (Praha, Czechoslovakia) Vol. 18, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) IC Vol. 7, No. 5, 1958

CZECHOSLOVAKIA/Radio Physics - Reception of Radio Waves.

I

Abs Jour : Ref Zhur Fizika, No 8, 1959, 18691

Author : Hosek, J., Stepnicka, B.

Inst :

Title : Microwave Frequency Discriminators.

Orig Pub : Slaboproudý obzor, 1958, 19, No 11, 737-745

Abstract : A survey is made of microwave discriminators, used in frequency-stabilization circuits. The found discriminator and the discriminator with through resonator are described. A theoretical design is proposed for a discriminator operating in the TE₁₁₁ mode. The results of the calculation are compared with experiment. In conclusion, a summary table is given that lists the principal parameters of various discriminators.

Card 1/1

APPROVED FOR RELEASE: 09/21/2001

J-
CIA-RDP86-00513R000618210016-6"

Abs Jour : Ref Zhur Fizika, No 3, 1960, 6861

Author : Hosek Jiri

Inst :

Title : Measurement of Losses of Transmitted Power in Wave Guide Circuits, Ranging from 0.3 to 10 db.

Orig Pub : Slaboproudý obzor, 1959, 20, No 4, 231-233

Abstract : A procedure is described for determining the total losses introduced in microwave transition devices by means of an absorption-type power meter. The values of the power received by the meter directly from the generator and through the tested device are measured. The ratio of these powers gives the value of the total losses. The losses due to reflection can be separated from this quantity by calculation, using separately measured values of the input coefficient of reflection from the investigated device, loaded by a non-reflecting absorber. -- A.I.
Koval'chuk

Card 1/1

HOSEK, J.

Calibration of microwave attenuators by means of thermistor bridges. p. 419.

SIAPOPROUDY OBZOR. (Ministerstvo vseobecniho strojirenstvi, Ministerstvo, spoju
a Ceskoslovenska vedecko-technicka spolecnost, sekce elektrotechnika) Praha,
Czechoslovakia, Vol. 20, No. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

HOSEK, J

9.9000

Z/039/60/021/03/003/028
E073/E135AUTHOR: Jiri Hošek (Engineer)TITLE: Design and Construction of Absorption Surfaces in
Microwave Techniques

PERIODICAL: Slaboproudý Obzor, 1960, Vol 21, Nr 3, pp 134-140

ABSTRACT: The author presents a calculation of reflection-free surfaces for microwave techniques. The suitability is investigated by calculation of the dielectric constants and the dimensions of single-layer, two-layer and three-layer surfaces which have to be chosen in such a way that the surface impedance is matched with the impedance of the free space so that the incident electromagnetic energy is absorbed. After discussing commercially available surfaces (outside Czechoslovakia) the author describes a satisfactory design of a single-layer absorption surface consisting of wood shavings which are soaked in graphite and held together by a thin sprayed-on binder. An example of such an absorbing wall is shown in the photograph (Fig 8), and its electrical properties are plotted in the Smith's diagram (Fig 9).

4

Card
1/2

1046

Z/039/60/021/03/003/028
E073/E135

Design and Construction of Absorption Surfaces in Microwave
Techniques

There are 9 figures, 2 tables and 7 references, of
which 3 are English, 2 Czech and 2 English and Russian
Card translations.

2/2

ASSOCIATION: Ústav pro výzkum radiotechniky
(Institute of Radio Research)

SUBMITTED: December 17, 1958

✓